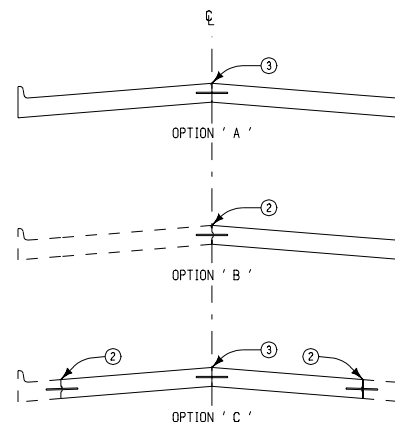


TYPICAL PAVEMENT PLAN



PAVING OPTIONS

Unless specified otherwise in the detail project plans it is the contractor's option to construct 31' PCC pavement in one of the following options:
 Option 'A' Pour full back to back section.
 Option 'B' Pour one half of 31' back to back section.
 Option 'C' Pour the center 24' of the 31' back to back section and then pour the 3.5' curb and gutter section separately.

GENERAL NOTES:

Details indicated on this plan are intended to illustrate the general requirements for Two-lane P.C. Concrete Pavements 31.0' in width.

Refer to Standard Road Plans RH-50, 51 and 52 for details of construction of joints in pavement. Transverse Joints will be 'CD' except when 'C' joints are specifically required as a part of detail project plans or when T is less than 8".

Normal crown shall be a straight line sloped from the profile grade for the distance and rate indicated. This crown may be varied through superelevated curves and intersection areas where special shaping is required or other areas specifically authorized by the Engineer.

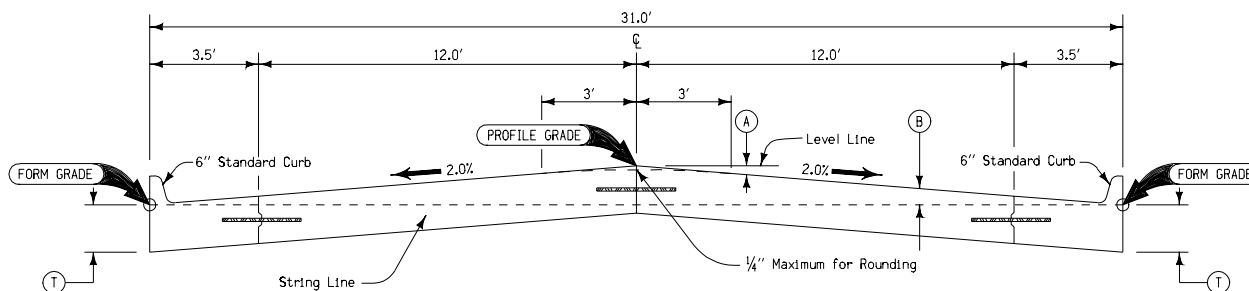
The price bid for "Standard or Slip-Form PCC pavement" class and thickness as specified, in sq. yds. including all required joints, shall be considered full compensation for the construction of pavement as detailed hereon.

- ① Transverse Joint spacing 20' (normal) for 'CD' joint (no dowels in outside 3.5' of pavement), 15' (normal) for 'C' joint.
- ② 'BT-1' Joint if pavement thickness is less than 8". 'KT-2' Joint, if pavement thickness is 8" or greater.
- ③ 'L-1' Joint if pavement thickness is less than 8". 'L-2' Joint, if pavement thickness is 8" or greater.
- ④ Quantities include 6" curb.

OFFSETS FOR 31' PAVEMENT WITH 6" STANDARD CURBS

Distance From C	0	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	15.5'
Ⓐ Inches	—	¼	½	¾	⅝	⅞	1⅛	1¼	1½	1⅞	2	2¼	2½	2⅞	3	3¼	3½
Ⓐ Feet	0	.020	.040	.060	.080	.100	.120	.140	.160	.180	.200	.220	.240	.260	.280	.300	.310
Ⓑ Inches	¾	3½	3¼	3	2¾	2½	2¼	2⅛	1⅞	1¾	1½	1⅛	⅞	¾	⅝	⅜	—
Ⓑ Feet	.31	.29	.27	.25	.23	.21	.19	.17	.15	.13	.11	.09	.07	.05	.03	.01	—

PER STATION DESIGN VALUES FOR (31' B-B) PAVEMENT SECTION ④						
ITEM	UNIT	T=6"	T=7"	T=8"	T=9"	T=10"
Section Area	Sq. Ft.	16.00	18.582	21.168	23.750	26.332
Concrete Volume	Cu. Yds.	59.26	68.82	78.40	87.96	97.53
Surface Area	Sq. Yds.	344.444	344.444	344.444	344.444	344.444



TYPICAL CROSS SECTION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN

RH-45B

REVISION: Remove skewed joints.

REVISION NO.
6

William J. Allen
APPROVED BY DESIGN METHODS ENGINEER

REVISION DATE
04-30-02

TWO LANE 31' WIDE
P.C. CONCRETE PAVEMENT
(WITH 6" STANDARD CURB)